

PATENT SPECIFICATION



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157,520

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COMPLETE SPECIFICATION.

An Improved Fastening Clip and Binder for Stationery, Newspapers, Periodicals and the like.

I, FREDERICK EDWIN STRANGWARD, of 19, Loch Street, St. Kilda, in the State of Victoria, Commonwealth of Australia, Share Broker, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a fastening clip and binder for stationary, newspaper, periodicals and the like, of the type wherein the ends of the clip are turned outwards so as to facilitate the placing of the clip upon a sheaf of stationary or the like.

According to the present invention the clip is folded over double so as to form a substantially circular bulb and two downwardly extending sides which are approximately parallel. Along the lower edges of the sides of the clip longitudinal grooves may be formed for the purpose of forming gripping lips. The clips may also be indented or pierced on the sides so that the sheaf of papers in the clip may be bound together permanently.

In order that the invention may be clearly understood reference is had to the accompanying drawings wherein:—

Figure 1 is a view in side elevation of the fastening clip and binder.

Figure 2 is a view in end elevation of the same.

Figure 3 is a view in side elevation of the improved clip as applied to a sheaf of papers for the purpose of binding them together.

Figure 4 is a transverse section of the clip shown in Figure 3.

Figure 5 is a perspective view of a modified form of the improved clip.

Figure 6 is a fragmentary view illustrating a modified means of securing the

papers within the clip when used as a binder.

Figure 7 is a fragmentary view in side elevation of a modified construction of the improved clip.

Figure 8 is a transverse section of the modified clip shewn in Figure 7.

Figure 9 is a fragmentary view in side elevation illustrating a further modification of the improved clip.

Figure 10 is a transverse section of the modified clip shewn in Figure 9.

In the drawings, wherein like characters of reference denote similar parts, the reference A designates a stationary clip and binder constructed integrally from a single strip of sheet metal and folded over at B so as to form a clearance bulb B¹ and two edges or gripping lips C which are in approximately parallel alignment and arranged to exert pressure on each other in opposing directions. Each corner of the folded strip is rounded as at D and is bent or rolled outwardly as indicated by the reference E. This flared corner construction permits of a sheaf of papers, documents, or the like being readily entered at either end of the clip A and pushed along between the opposed parallel lips C wherein said sheaf of papers may then remain firmly clamped in a required order and arrangement.

To remove the paper from the clip, the action described is simply reversed by withdrawing them from between said lips C.

In Figures 3 and 4, there is illustrated a clip A as applied to a sheaf of papers F for the purpose of binding them together permanently. To effect this purpose, the clip after being placed over the papers, as herein described, is indented or pierced on the sides G as indicated by the reference

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H. These indentations are preferably formed by gripping the two sides G of the clip A between the jaws of a pair of pliers or office eyelet pliers or pincers and by exerting pressure thereon. Alternatively, however, said indentations may be formed by striking a blow or a plurality of blows on one or both of said sides G by means of a piece of metal, a hammer or other suitable object. To more securely bind a sheaf of papers a plurality of these clips A indented as at H may be employed and are placed along two or more edges of the sheaf to which applied. Should it be required for greater security to form tongues from the side or sides G of the clip by piercing, pliers with specially formed jaws can be employed, said pliers being of a type well-known for office uses.

For the purpose of temporarily and lightly attaching a number of papers together and maintaining them in required order, there may be employed the form of clip which is illustrated in Figure 5. This clip is of similar construction to that already described, but it is made relatively short in length so that, instead of extending along the whole or the major portion of the length or breadth of a sheaf of papers, it is adapted only to slip over the corners thereof or to clamp said sheaf with comparatively light pressure along a very short length of its edge. The preferred construction of the gripping portion of the clip A is as illustrated by Figures 1 to 5 inclusive, wherein the papers, or documents or the like are gripped between the flat inside faces G¹, the whole depth of said sides from the bulb A¹ to the lower edge acting as the gripping lips. According to the alternative construction shown in Figure 6, the lower edges of the gripping lips C are turned inwardly so that the papers or documents are firmly held therebetween by a line contact.

According to the modification shown in Figures 7 and 8, the gripping lips C and C¹ are provided with longitudinal grooves I and K, respectively, and said lips fit closely together so as to very securely grip papers or material placed therebetween.

In the clip as illustrated by Figures 9

and 10, the lip C is extended downwardly a short distance below the lip C¹ and both of said lips are turned inwardly.

Each of the forms of clips according to the invention is provided with the flared corner construction described to permit of the ready entrance of papers or documents to be fastened or bound. The metal from which the clips are made is of a springy nature, and in the case of brass it should be hard-drawn.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

1. In a stationary fastening clip or binder of the type described the construction wherein the clip is folded over double so as to form a substantially circular bulb and two downwardly extending sides which are substantially parallel, substantially as described.

2. In a stationary fastening clip or binder according to Claim 1 the construction wherein longitudinal grooves are formed along the lower edges of the sides of the clip so as to form gripping lips, substantially as described.

3. In a stationary fastening clip or binder according to Claim 1 the construction wherein the sides of the clip are indented or pierced for the purpose of permanently binding together the sheaf of papers in the clip, substantially as described.

4. Stationary fastening clips or binders, constructed and adapted for use as a whole substantially as described in connexion with the accompanying drawings.

Dated this 9th day of October, 1919.

For the Applicant:—

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Reference has been directed, in pursuance of Section 7, Sub-section 4, of the Patents and Designs Acts, 1907 and 1919, to Specifications:—No. 963 of 1895 and No. 22,195 of 1914.

[This Drawing is a reproduction of the Original on a reduced scale.]

